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1 [Practical safety in flexible access control models](#)

[Trent Jaeger, Jonathon E. Tidswell](#)

 May 2001 **Transactions on Information and System Security (TISSEC)**
 2

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (346.47 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)
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Assurance that an access control configuration will not result in the leak of an unauthorized principal, called *safety*, is fundamental to ensuring that access control policies can be enforced. It has been proven ...

Keywords: Access control models, authorization mechanisms, role-based access control

2 [Fast detection of communication patterns in distributed executions](#)

[Thomas Kunz, Michiel F. H. Seuren](#)

 November 1997 **CASCON '97: Proceedings of the 1997 conference of the CACM Advanced Studies on Collaborative research**
Publisher: IBM Press

 Full text available: [Pdf](#) (4.21 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)
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Understanding distributed applications is a tedious and difficult task. Visualization based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event-driven visualization tool.

3 [Towards a resource management and service employment framework](#)

[Christos Chrysoulas, Evangelos Haleplidis, Giorgos Kostopoulos, Robert H. Koufopavlou](#)

 August 2008 **International Journal of Network Management**, Volume 18


Publisher: John Wiley & Sons, Inc.

 Full text available: [Pdf](#) (1.10 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Citations: 0

Owing to the increase in both heterogeneity and complexity in today's networks, the management of network resources has become a challenging task.


systems, the need arises for new network-based services architectures. provide flexibility and efficiency in the definition, deployment and execu services ...

4 [Programming languages and systems for prototyping concurrent app](#)

 [Wilhelm Hasselbring](#)

March 2000 **Computing Surveys (CSUR)** , Volume 32 Issue 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (559.78 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[terms](#), [review](#)

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Concurrent programming is conceptually harder to undertake and to un-sequential programming, because a programmer has to manage the co-ordination of multiple concurrent activities. To alleviate this task seve

Keywords: concurrency, distribution, parallelism, rapid prototyping, ve languages

5 [Effect of vertical handovers on performance of TCP-friendly rate con](#)

 [Andrei Gurtov, Jouni Korhonen](#)

July 2004 **SIGMOBILE Mobile Computing and Communications Review**
3


Publisher: ACM

Full text available:  Pdf (440.19 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 77, Citation


An intersystem or vertical handover is a key enabling mechanism for ne of mobile communication systems. A vertical handover can cause an ab up to two orders of magnitude in link bandwidth and latency. It is hard end ...

6 [Version models for software configuration management](#)

 [Reidar Conradi, Bernhard Westfechtel](#)

June 1998 **Computing Surveys (CSUR)** , Volume 30 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (483.54 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 67, Downloads (12 Months): 708, Citatic

After more than 20 years of research and practice in software configura management (SCM), constructing consistent configurations of versionec products still remains a challenge. This article focuses on the version m both ...

Keywords: changes, configuration rules, configurations, revisions, vari

7 [Advanced drawing tools aid network planning](#)

[Nathan J. Muller](#)

November 1997 **International Journal of Network Management** , Volume


Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (849.87 KB) Additional Information: [full citation](#), [abstract](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation C


Network administrators can facilitate managing large, complex network: diagramming solutions. This article describes and discusses a variety of t available to aid the design process. © 1997 John Wiley & Sons, Ltd.

8 [NETRA:: seeing through access control](#)

 Prasad Naidurg, Stefan Schwoon, Sriram Rajamani, John Lambert

November 2006 **FMSE '06**: Proceedings of the fourth ACM workshop on For security

Publisher: ACM


Full text available:  Pdf (357.34 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation

We present netra, a tool for systematically analyzing and detecting expl flow vulnerabilities in access-control configurations. Our tool takes a sn access-control metadata, and performs static analysis on this snapshot.


Keywords: privilege escalation, static analysis, vulnerability reports

9 [Configurable applications for satellite graphics](#)

 Griffith Hamlin, Jr.

August 1976 **SIGGRAPH '76**: Proceedings of the 3rd annual conference on graphics and interactive techniques

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (117.15 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)


Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 13, Citation

This paper advocates a configurable approach to software for satellite g the division of labor between the host and satellite computers can be ea after an application program has been written. A software system, CAGI (Configurable ...

Also published in:

August 1976 **SIGGRAPH Computer Graphics** Volume 10 Issue 2

10 [Advanced and versatile real-time emulation platform for heterogene access systems](#)

 Francisco Bernardo, Anna Umbert, Miguel López-Benitez, Nemanja Vučević

October 2008 **PM2HW2N '08**: Proceedings of the 3rd ACM workshop on Pe monitoring and measurement of heterogeneous wireless and

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (2.92 MB) Additional Information: [full citation](#), [abstract](#), [referen](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 34, Citation

This paper is aimed at showing the capabilities of the real-time testbed 3G heterogeneous wireless networks that has been developed in the fra

European IST ARO-MA project. The main objective of the AROMA testbed is to provide ...

Keywords: All-IP, beyond 3G, heterogeneous wireless networks, real-time

11 [Using spreadsheets for finite state modelling](#)

 [Sujit Kumar Chakrabarti, Srihari Sukumaran](#)

February 2009 **ISEC '09: Proceeding of the 2nd annual conference on India engineering conference**

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (243.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 19, Citation

State based modelling is a widely used practice in the software industry. Various methods of building state based models: either using graphical modelling or formal languages like SMV or SAL. The former method often suffers from

Keywords: finite state machines, sal, spreadsheets

12 [Traust: a trust negotiation-based authorization service for open systems](#)

 [Adam J. Lee, Marianne Winslett, Jim Basney, Von Welch](#)

June 2006 **SACMAT '06: Proceedings of the eleventh ACM symposium on Applications, models and technologies**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (222.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 84, Citation

In recent years, trust negotiation (TN) has been proposed as a novel access control solution for use in open system environments in which resources are shared across organizational boundaries. Researchers have shown that TN is indeed a viable solution ...

Keywords: attribute-based access control, credentials, trust negotiation

13 [Management of international networks](#)

[Floris van den Broek, Maarten Loolijen](#)

September 1997 **International Journal of Network Management**, Volume 7


Publisher: John Wiley & Sons, Inc.

Full text available:  [Pdf](#) (188.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 8, Citation


This article outlines particularities which must be addressed when building and maintaining international networks. © 1997 John Wiley & Sons, Ltd

14 [Likelihood ratio gradient estimation for stochastic systems](#)

 [Peter W. Glynn](#)

October 1990 **Communications of the ACM**, Volume 33 Issue 10


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.55 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 61, Citation


Consider a computer system having a CPU that feeds jobs to two input devices having different speeds. Let θ be the fraction of jobs routed to the first device, so that $1 - \theta$ is the fraction routed to the second. Suppose

15 [Parallel discrete event simulation](#)

 Richard M. Fujimoto

October 1990 **Communications of the ACM**, Volume 33 Issue 10


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (7.32 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 47, Downloads (12 Months): 464, Citation


Parallel discrete event simulation (PDES), sometimes called distributed simulation, refers to the execution of a single discrete event simulation program on multiple computers. PDES has attracted a considerable amount of interest in recent years. From ...

16 [Expert simulation for on-line scheduling](#)

 Sanjay Jain, Karon Barber, David Osterfeld

October 1990 **Communications of the ACM**, Volume 33 Issue 10


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.87 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 50, Citation


The state-of-the-art in manufacturing has moved toward flexibility, automation, and integration. The efforts spent on bringing computer-integrated manufacturing plant floors have been motivated by the overall thrust to increase the speed of

17 [Simulation of a semiconductor manufacturing line](#)

 David J. Miller

October 1990 **Communications of the ACM**, Volume 33 Issue 10


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Full text available:  Pdf (3.99 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 57, Citation

Product turnaround time (TAT) is defined as the clock or elapsed time from wafer release to completed wafer fabrication. It is also known as cycle time, lead time, or manufacturing lead time. Turnaround time is arguably more important in semiconductor manufacturing ...

18 [NEST: a network simulation and prototyping testbed](#)

 Alexander Dupuy, Jed Schwartz, Yechiam Yemini, David Bacon



October 1990 **Communications of the ACM**, Volume 33 Issue 10

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (5.94 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

[terms, review](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 64, Citation

The Network Simulation Testbed (NEST) is a graphical environment for rapid-prototyping of distributed networked systems and protocols. Designing distributed networked systems require the ability to study the systems in operation under ...

19 [Random numbers for simulation](#) [Pierre L'Ecuyer](#)October 1990 **Communications of the ACM**, Volume 33 Issue 10**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (2.82 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [terms, review](#)**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 180, Citation

In the mind of the average computer user, the problem of generating uniform random numbers by computer has been solved long ago. After all, every computer system has more function(s) to do so. Many software products, like compilers, spreadsheets, and ...

20 [On adaptable middleware product lines](#) [Wasif Gilani](#), [Nabeel Hasan Naqvi](#), [Olaf Spinczyk](#)October 2004 **ARM '04: Proceedings of the 3rd workshop on Adaptive and reconfigurable middleware****Publisher:** ACMFull text available:  [Pdf](#) (386.79 KB) Additional Information: [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 53, Citation

Middleware helps to manage the complexity and heterogeneity inherent in distributed systems. Traditional middleware has a monolithic architecture, which makes it difficult to adapt to special requirements such as those present in embedded applications.

Keywords: adaptable middleware, aspect-oriented programming, dynamic reconfiguration, dynamic weaving, middleware product lines

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